

World Energy Production and GDP Analysis

Abstract

Working at Data Experts, gave me an opportunity to work on one of our client's exciting project. The client wanted us to dig into world energy production and extract insights that could be used for better policy and business decisions.

Objectives

- ❖ Identify if there exist any significant relationship between the amount of energy produced and the countries' GDP
- ❖ Explore if the G7 rely solely on energy production for their economic growth
- ❖ Do a forecast analysis GDP and energy production for the next 2 years

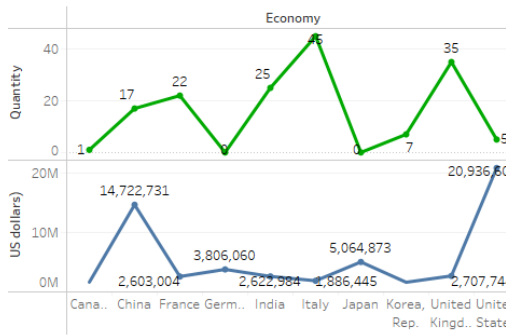
Project Approach

In a team of two data scientists, we formulated project steps and set milestones to deliver the project to the client. We started with data collection. The team formulated the over mentioned business questions and dive deep in the project. We also considered the technical resources economically fit to our client's budget. Though there are other analysis not shared in the public

dashboard, we managed to deliver the project within the specified time and to client's satisfaction.

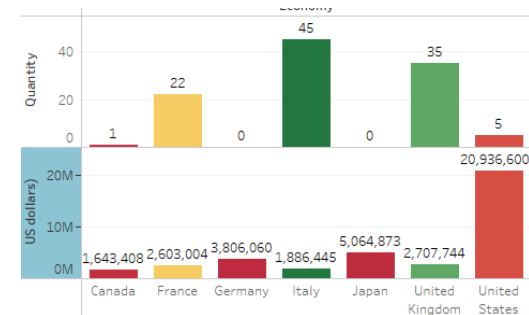
Results

Economy Monitoring Dashboard



From the above chart its observable that the quantity of energy produced by the top 10 countries' lack a significant relationship with nation's GDP. Nevertheless, Canada and China results show some dependency on energy production.

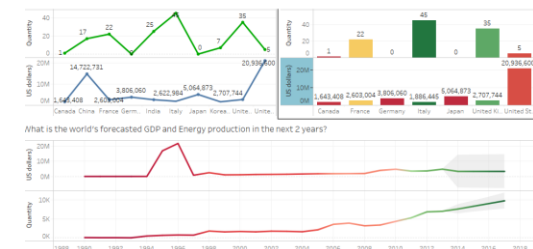
Insight: The top 10 countries in our analysis do not depend solely on energy for economic growth.



The G7 countries show totally unique behavior because their GDP lack significant observable relationship between the quantity produced and the GDP.

World Economic performance Dashboard

The final Product was a world Economic Tableau Dashboard to provide real time economic performance of global development.



Acknowledgement

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Link to the [dashboard](#)